

CLAIMS

1. A connector, comprising:

5 a plurality of contacts including a supply contact, a ground contact and at least one other contact;

the supply and ground contacts being longer than the at least one other contact; and

the at least one other contact used to provide attach/detach detection for the connector.

2. A connector, comprising:
 - power supply contacts having a first predetermined length; and
 - at least one other contact having a second predetermined length, the second predetermined length being shorter than the first predetermined length and the at least
- 5 one other contact used to provide attach/detach detection for the connector.

3. A connector interface system, comprising:
 - a first connector having power contacts;
 - a second connector for attaching and detaching to the first connector, the second connector having corresponding power contacts for mating with the power contacts of the first connector, the second connector having another contact for indicating attachment and detachment to the first connector.
4. The connector interface system of claim 3, wherein the first connector contacts are planar contacts and the second connector contacts are telescoping spring loaded contacts of various lengths.
5. The connector interface system of claim 3, wherein the first connector contacts are recessed and the second connector corresponding contacts are of various lengths.
- 15 6. The connector interface system of claim 3, wherein the first connector is coupled to logic circuitry that detects the presence of the second connector.

7. An interface assembly for a communication device, the interface assembly comprising:
 - a communication device connector;
- 5 an accessory connector for mating with the communication device connector, the accessory connector comprising:
 - a supply pin;
 - a detect pin;
 - a ground pin;
- 10 the supply pin and the ground pin connecting to the communication device connector prior to the detect pin when the accessory connector is mated with the communication device connector, and the supply pin and the ground pin disconnecting after the detect pin when the accessory connector is removed from the communication device connector.
- 15
8. The interface assembly of claim 7, wherein the communication device comprises logic circuitry that senses attachment and detachment of the accessory connector to the communication device connector through the detect pin.
- 20 9. The interface assembly of claim 8, wherein the communication device comprises a radio.

10. An interface assembly for a communication device, the interface assembly comprising:
 - a communication device connector;
 - an accessory connector for mating with the communication device connector, the
- 5 accessory connector comprising:
 - a supply pin;
 - a detect pin;
 - a ground pin;

the supply pin and the ground pin connecting to the communication device connector
- 10 prior to the detect pin when the accessory connector is mated with the communication device connector, and the supply pin and the ground pin disconnecting after the detect pin when the accessory connector is removed from the communication device connector.
- 15 11. The interface assembly of claim 10, wherein the communication device comprises logic circuitry for detecting the presence of the detect pin.
12. The interface assembly of claim 10, wherein the communication device comprises a radio.

13. A connector for interfacing to a communication device, the connector comprising:
 - a plurality of contacts formed of pogo pins;
 - the plurality of contacts including power contacts and at least one other contact; and
 - 5 the power contacts having a first predetermined length of accommodation and the at least one other contact having a second predetermined length of accommodation shorter than the first; and
 - the at least one other contact serially detaching from a corresponding mating contact on the communication device prior to the power contacts.
- 10
14. The connector of claim 13, wherein the at least one other contact is used to provide attach/detach detection for the connector.
15. The connector of claim 13, wherein the power contacts accommodate sources from the communication device capable of generating a spark.